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July 31, 2018

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

Re: **Duke Energy Progress, LLC – Monthly Fuel Report**
Docket No. 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of June 2018.

Should you have any questions regarding this matter, please do not hesitate to contact me at 803-988-7130.

Sincerely,

Rebecca J. Dulin

Enclosure

cc: Service List

Duke Energy Progress
Summary of Monthly Fuel Report

Schedule 1

Line No.	Item		June 2018
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$	161,337,596
	MWH sales:		
2	Total System Sales		5,902,945
3	Less intersystem sales		225,152
4	Total sales less intersystem sales		5,677,793
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)		2.8416
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)		2.5398
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal		1,040,087
8	Oil		8,440
9	Natural Gas - Combustion Turbine		273,058
10	Natural Gas - Combined Cycle		1,724,589
11	Biogas		122
12	Total Fossil		3,046,297
13	Nuclear		2,223,363
14	Hydro - Conventional		65,037
15	Solar Distributed Generation		24,607
16	Total MWH generation		5,359,304

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 2

Duke Energy Progress
Details of Fuel and Fuel-Related Costs

Description		June 2018
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	37,605,413
0501310 fuel oil consumed - steam		1,423,739
Total Steam Generation - Account 501		39,029,152
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		15,148,148
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		5,319,664
0547000 natural gas capacity - Combustion Turbine		626,202
0547000 natural gas consumed - Combined Cycle		41,685,692
0547000 natural gas capacity - Combined Cycle		10,139,075
0547106 biogas consumed - Combined Cycle		3,930
0547200 fuel oil consumed		71,975
Total Other Generation - Account 547		57,846,538
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		44,518,055
Fuel and fuel-related component of DERP purchases		19,690
PURPA purchased power capacity		9,096,212
DERP purchased power capacity		5,434
Total Purchased Power and Net Interchange - Account 555		53,639,391
Less fuel and fuel-related costs recovered through intersystem sales - Account 447		6,309,832
Total Costs Included in Base Fuel Component	$	159,353,397
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	1,451
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		1,993,580
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		938
Less emissions expense recovered through intersystem sales - Account 447		9,894
Total Costs Included in Environmental Component		1,984,199
Fuel and Fuel-related Costs excluding DERP incremental costs	$	161,337,596
DERP Incremental Costs		195,945
Total Fuel and Fuel-related Costs	$	161,533,541

Notes: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

JUNE 2018

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Broad River Energy, LLC.	$ 11,358,341	$ 5,344,773	128,919	$ 6,013,568	-
City of Fayetteville	941,341	906,675	485	34,666	-
Haywood EMC	29,050	29,050	-	-	-
NCEMC	4,561,262	2,426,321	53,455	2,134,941	-
PJM Interconnection, LLC.	401,591	-	10,039	401,591	-
Southern Company Services	4,081,551	1,124,760	87,102	2,956,791	-
DE Carolinas - Native Load Transfer	7,462,748	-	261,053	7,465,390	$ (2,642)
DE Carolinas - Native Load Transfer Benefit	366,937	-	-	366,937	-
Energy Imbalance	47,922		1,313	41,670	6,252
Generation Imbalance	1,786		80	1,089	697
	$ 29,252,529	**$ 9,831,579**	**542,446**	**$ 19,416,643**	**$ 4,307**
Act 236 PURPA Purchases					
Renewable Energy	$ 21,011,137	-	281,736	$ 21,011,137	-
DERP Net Metering Excess Generation	136	-	3	136	-
DERP Qualifying Facilities	24,989	-	317	24,989	-
Other Qualifying Facilities	13,186,486	-	187,891	13,186,486	-
	$ 34,222,748	**$ -**	**469,947**	**$ 34,222,748**	**$ -**
Total Purchased Power	**$ 63,475,277**	**$ 9,831,579**	**1,012,393**	**$ 53,639,391**	**$ 4,307**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

JUNE 2018

Sales	Total $	Capacity $	Non-capacity mWh	Non-capacity Fuel $	Non-capacity Non-fuel $
Market Based:					
NCEMC Purchase Power Agreement	$ 946,937	$ 652,500	8,766	$ 292,879	$ 1,558
PJM Interconnection, LLC.	68,273	-	3,937	71,995	(3,722)
Other:					
DE Carolinas - Native Load Transfer Benefit	149,330	-	-	149,330	-
DE Carolinas - Native Load Transfer	6,229,079	-	212,417	5,806,460	422,619
Generation Imbalance	(1)	-	32	-	(1)
Total Intersystem Sales	**$ 7,393,618**	**$ 652,500**	**225,152**	**$ 6,320,664**	**$ 420,454**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
June 2018

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					5,677,792,552
2	DERP Net Metered kWh generation	Input					1,076,721
3	Adjusted System kWh sales	L1 + L2					5,678,869,273
4	Actual S.C. Retail kWh sales	Input	183,269,324	27,515,526	305,718,910	6,621,076	523,124,836
5	DERP Net Metered kWh generation	Input	449,784	14,724	612,214		1,076,721
6	Adjusted S.C. Retail kWh sales	L4 + L5	183,719,108	27,530,250	306,331,124	6,621,076	524,201,557
7	Actual S.C. Demand units (kw)	L32 / 31b *100			669,014		
	Base fuel component of recovery - non-capacity						
8	Incurred System base fuel - non-capacity expense	Input					$139,466,784
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$34,483
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$139,501,267
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.456
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$4,513,055	$676,280	$7,525,016	$162,647	$12,876,998
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($20,384)	($1,883)	($12,216)	$0	($34,483)
14	S.C. Retail portion of incurred system expense	L12 + L13	$4,492,671	$674,397	$7,512,800	$162,647	$12,842,515
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.210	2.210	2.210	2.210	2.210
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$4,050,189	$608,093	$6,756,388	$146,326	$11,560,996
17	DERP NEM incentive - fuel component	Input	($5,536)	($511)	($3,318)	$0	($9,365)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$4,044,653	$607,582	$6,753,070	$146,326	$11,551,631
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	$448,018	$66,815	$759,730	$16,321	$1,290,884
20	Adjustment – Value of Solar True Up	Input	($19,322)	($3,189)	$25,674	$36	$3,199
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	$428,696	$63,626	$785,404	$16,357	$1,294,083
	Base fuel component of recovery - capacity						
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.590	0.363			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			97		
23	Incurred S.C. base fuel - capacity expense	Input	$1,081,747	$99,931	$648,265		$1,829,943
24a	Billed base fuel - capacity rates by class (¢/kWh)	Input	0.471	0.371			
24b	Billed base fuel - capacity rate (¢/kW)	Input			96		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$863,871	$102,083	$642,355	$0	$1,608,309
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	$217,876	($2,152)	5,910.00	$0	$221,634
27	Adjustment	Input	$0	$0	$0	$0	$0
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	$217,876	($2,152)	$5,910	$0	$221,634
	Environmental component of recovery						
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.059	0.036			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			10		
30	Incurred S.C. environmental expense	Input	$108,069	$9,983	$64,763		$182,815
31a	Billed environmental rates by class (¢/kWh)	Input	0.035	0.024			
31b	Billed environmental rate (¢/kW)	Input			7		
32	Billed S.C. environmental revenue	L31a * L4 /100	$63,653	$6,604	$46,831		$117,088
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	$44,416	$3,379	$17,932	$0	$65,727
34	Adjustment	Input					$0
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	$44,416	$3,379	$17,932	$0	$65,727
	Distributed Energy Resource Program component of recovery: avoided costs						
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.001	0.000			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			0.123		
37	Incurred S.C. DERP avoided cost expense	Input	$1,368	$127	$820		$2,315
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh)	Input	0.000	0.000			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0.000		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$0	$0	$0		$0
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	$1,368	$127	$820	$0	$2,315
41	Adjustment	Input	$0	$0	$0	$0	$0
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	$1,368	$127	$820	$0	$2,315
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	$692,356	$64,980	$810,066	$16,357	$1,583,759

Year 2018-2019

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	$23,394,311					
March 2018 - actual	23,722,990	$105,966	$14,137	$203,204	$5,372	$328,679
April 2018 - actual	23,109,283	(170,943)	(23,111)	(411,945)	($7,708)	($613,707)
May 2018 - actual	23,830,373	191,924	30,025	488,780	$10,361	$721,090
June 2018 - actual	25,124,456	428,696	63,626	785,404	$16,357	$1,294,083
July 2018 - forecast	24,361,239	(262,316)	(33,580)	(456,561)	($10,760)	($763,217)
August 2018 - forecast	22,988,996	(469,238)	(60,504)	(823,162)	($19,339)	($1,372,243)
September 2018 - forecast	20,327,319	(909,961)	(117,476)	(1,596,522)	($37,718)	($2,661,677)
October 2018 - forecast	17,838,226	(715,791)	(119,102)	(1,615,939)	($38,261)	($2,489,093)
November 2018 - forecast	15,199,059	(803,886)	(123,448)	(1,671,900)	($39,933)	($2,639,167)
December 2018 - forecast	13,479,119	(635,215)	(73,042)	(988,099)	($23,584)	($1,719,940)
January 2019 - forecast	12,215,609	(518,187)	(50,413)	(678,800)	($16,110)	($1,263,510)
February 2019 - forecast	10,724,671	(591,122)	(60,932)	(819,402)	($19,482)	($1,490,938)
March 2019 - forecast	9,018,966	(640,346)	(72,454)	(969,806)	($23,099)	($1,705,705)
April 2019 - forecast	5,667,224	(1,078,503)	(154,785)	(2,069,414)	($49,040)	($3,351,742)
May 2019 - forecast\	3,606,378	(586,413)	(100,765)	(1,341,886)	($31,782)	($2,060,846)
June 2019 - forecast	$2,579,618	($323,178)	($48,081)	($640,395)	($15,106)	($1,026,760)

Year 2018-2019

Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	$1,622,067					
March 2018 - actual	1,523,528	$79,187	($398)	($177,328)	$0	($98,539)
April 2018 - actual	2,089,902	479,717	34,630	52,027	0	566,374
May 2018 - actual	2,445,242	379,717	16,470	(40,847)	0	355,340
June 2018 - actual	2,666,876	217,876	(2,152)	5,910	0	221,634
July 2018 - forecast	2,206,981	(400,463)	(17,099)	(42,333)	0	(459,895)
August 2018 - forecast	1,648,800	(418,036)	(19,250)	(120,895)	0	(558,181)
September 2018 - forecast	1,247,697	(296,697)	(9,386)	(95,020)	0	(401,103)
October 2018 - forecast	1,414,478	117,099	1,068	48,614	0	166,781
November 2018 - forecast	1,404,555	13,359	(306)	(22,976)	0	(9,923)
December 2018 - forecast	894,667	(395,260)	(6,445)	(108,183)	0	(509,888)
January 2019 - forecast	161,883	(725,282)	(10,382)	2,880	0	(732,784)
February 2019 - forecast	(404,387)	(532,644)	(2,882)	(30,744)	0	(566,270)
March 2019 - forecast	(505,498)	(159,512)	19,024	39,377	0	(101,111)
April 2019 - forecast	(220,760)	155,198	21,331	108,209	0	284,738
May 2019 - forecast\	227,768	293,288	16,399	138,841	0	448,528
June 2019 - forecast	$248,952	$44,836	$7,845	($31,497)	$0	$21,184

Year 2018-2019

Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	($616,504)					
March 2018 - actual	(648,397)	($9,388)	($802)	($21,703)	$0	($31,893)
April 2018 - actual	(646,907)	10,886	939	(10,335)	0	$1,490
May 2018 - actual	(644,440)	13,284	519	(11,336)	0	$2,467
June 2018 - actual	(578,713)	44,416	3,379	17,932	0	$65,727
July 2018 - forecast	(454,808)	62,557	7,364	53,984	0	$123,905
August 2018 - forecast	(349,496)	51,901	6,387	47,024	0	$105,312
September 2018 - forecast	(321,681)	7,083	2,133	18,599	0	$27,815
October 2018 - forecast	(320,609)	(5,656)	162	6,566	0	$1,072
November 2018 - forecast	(325,042)	(8,836)	9	4,394	0	($4,433)
December 2018 - forecast	(277,414)	18,274	3,404	25,950	0	$47,628
January 2019 - forecast	(20,722)	137,300	15,188	104,204	0	$256,692
February 2019 - forecast	185,655	109,629	12,312	84,436	0	$206,377
March 2019 - forecast	229,862	15,937	3,288	24,982	0	$44,207
April 2019 - forecast	211,706	(18,315)	(579)	738	0	($18,156)
May 2019 - forecast\	204,857	(9,937)	(290)	3,378	0	($6,849)
June 2019 - forecast	$263,866	$27,797	$3,623	$27,589	$0	$59,009

Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2017	$2,713					
March 2018 - actual	7,033	$2,554	$236	$1,530	$0	$4,320
April 2018 - actual	14,508	4,419	408	2,648	0	7,475
May 2018 - actual	21,181	3,945	364	2,364	0	6,673
June 2018 - actual	23,496	1,368	127	820	0	2,315
July 2018 - forecast	23,186	(2,303)	(423)	2,416	0	(310)
August 2018 - forecast	22,889	(2,322)	(433)	2,458	0	(297)
September 2018 - forecast	23,397	(1,692)	(359)	2,559	0	508
October 2018 - forecast	25,765	(18)	(321)	2,707	0	2,368
November 2018 - forecast	27,851	(196)	(276)	2,558	0	2,086
December 2018 - forecast	28,151	(1,883)	(295)	2,478	0	300
January 2019 - forecast	26,787	(3,465)	(338)	2,439	0	(1,364)
February 2019 - forecast	26,396	(2,634)	(297)	2,540	0	(391)
March 2019 - forecast	26,729	(1,930)	(282)	2,545	0	333
April 2019 - forecast	28,441	(667)	(296)	2,675	0	1,712
May 2019 - forecast\	30,699	(15)	(316)	2,589	0	2,258
June 2019 - forecast	$31,672	($1,098)	($360)	$2,431	$0	$973

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
June 2018

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$115,830	$45,967	$34,148	$195,945
45	Billed S.C. DERP incremental rates by account ($/account)	Input	1.00	2.88	99.56	
46	Billed S.C. DERP incremental revenue	Input	$137,586	$92,562	$25,096	$255,244
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	($21,756)	($46,595)	$9,052	($59,299)
48	Adjustment – Value of Solar True Up	Input	$36,351	$16,109	$11,556	$64,016
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	$14,595	($30,486)	$20,608	$4,717

Year 2018-2019 Cumulative (over) / under recovery	Cumulative	Total
Balance ending February 2018	($451,744)	
March 2018 - actual	(544,531)	($92,787)
April 2018 - actual	(637,203)	(92,672)
May 2018 - actual	(710,836)	(73,633)
June 2018 - actual	(706,119)	4,717
July 2018 - forecast	(666,874)	39,245
August 2018 - forecast	(621,539)	45,335
September 2018 - forecast	(570,498)	51,041
October 2018 - forecast	(513,074)	57,424
November 2018 - forecast	(452,384)	60,690
December 2018 - forecast	(389,073)	63,311
January 2019 - forecast	(340,356)	48,717
February 2019 - forecast	(285,442)	54,914
March 2019 - forecast	(216,028)	69,414
April 2019 - forecast	(133,869)	82,159
May 2019 - forecast\	(43,904)	89,965
June 2019 - forecast	$54,445	$98,349

Notes:

Detail amounts may not recalculate due to percentages presented as rounded.

Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel rate is a composite rate reflecting the approved residential rate of 2.246 and RECD 5% discount.

Duke Energy Progress
Fuel and Fuel Related Cost Report
June 2018

Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CT	Roxboro Steam	Mayo Steam
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	$1,806,609	-	$7,435,133	$4,952,952
Oil	-	-	-	8,024	(231,929)	-	929,661	362,634
Gas - CC	-	16,726,466	12,596,066	-	-	-	-	-
Gas - CT	24	-	530,588	-	-	2,178,526	-	-
Biogas	-	-	-	-	-	-	-	-
Total	24	$16,726,466	$13,126,654	8,024	$1,574,680	$2,178,526	$8,364,794	$5,315,586
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	310.17	-	341.80	314.24
Oil	-	-	-	-	-	-	1,535.23	1,472.80
Gas - CC	-	381.74	442.26	-	-	-	-	-
Gas - CT	-	-	452.64	-	-	342.37	-	-
Biogas	-	-	-	-	-	-	-	-
Weighted Average	-	381.74	442.67	-	270.35	342.37	374.12	332.06
Cost of Fuel Burned ($)								
Coal	-	-	-	-	$4,111,603	-	$25,811,709	$7,682,101
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	54,213	-	-	-	67,912	1,871	1,034,666	321,161
Gas - CC	-	16,726,466	12,596,066	-	-	-	-	-
Gas - CT	24	-	530,588	-	-	2,178,526	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	3,009,038	-	-	-	-
Total	$54,237	$16,726,466	$13,126,654	$3,009,038	$4,179,515	$2,180,397	$26,846,375	8,003,262
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	311.46	-	324.36	320.26
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	1,583.32	-	-	-	1,584.14	1,585.59	1,516.84	1,490.93
Gas - CC	-	381.74	442.26	-	-	-	-	-
Gas - CT	-	-	452.64	-	-	342.37	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	69.31	-	-	-	-
Weighted Average	1,584.02	381.74	442.67	69.31	315.58	342.60	334.50	330.67
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	4.52	-	3.44	3.87
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	43.72	-	-	-	23.40	17.01	16.09	18.02
Gas - CC	-	2.80	3.16	-	-	-	-	-
Gas - CT	-	-	4.39	-	-	3.79	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	0.78	-	-	-	-
Weighted Average	43.74	2.80	3.19	0.78	4.58	3.79	3.55	4.00
Burned MBTU's								
Coal	-	-	-	-	1,320,095	-	7,957,643	2,398,743
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	3,424	-	-	-	4,287	118	68,212	21,541
Gas - CC	-	4,381,689	2,848,097	-	-	-	-	-
Gas - CT	-	-	117,221	-	-	636,303	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	4,341,115	-	-	-	-
Total	3,424	4,381,689	2,965,318	4,341,115	1,324,382	636,421	8,025,855	2,420,284
Net Generation (mWh)								
Coal	-	-	-	-	90,908	-	750,693	198,487
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	124	-	-	-	290	11	6,432	1,782
Gas - CC	-	597,978	399,115	-	-	-	-	-
Gas - CT	-	-	12,096	-	-	57,513	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	388,135	-	-	-	-
Hydro (Total System)								
Solar (Total System)								
Total	124	597,978	411,211	388,135	91,198	57,524	757,125	200,269
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$159,882	$35,219
Limestone	-	-	-	-	129,609	-	830,872	364,783
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	5,102	-	219,115	158,068
Urea	-	-	-	-	71,982	-	-	-
Total	-	-	-	-	$206,693	-	$1,209,869	$558,070

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME June 2018
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$14,194,694	$269,584,460
Oil	2,528	-	(299,811)	(407,290)	18,852	-	382,669	76,736,502
Gas - CC	-	-	-	-	22,502,235	-	51,824,767	682,030,014
Gas - CT	-	-	229,087	835,190	2,172,451	-	5,945,866	108,130,773
Biogas	-	-	-	-	41,537	-	41,537	144,759
Total	2,528	-	($70,724)	$427,900	$24,693,538	-	$72,389,533	$1,136,626,508
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	327.52	318.76
Oil	-	-	-	-	1,813.23	-	443.85	1,687.63
Gas - CC	-	-	-	-	343.03	-	375.83	474.44
Gas - CT	-	-	338.05	360.16	341.80	-	352.08	376.67
Biogas	-	-	-	-	2,929.27	-	2,929.27	2,940.46
Weighted Average	-	-	(104.36)	184.52	343.65	-	363.77	434.51
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$37,605,413	$329,260,770
Oil - CC	-	-	-	-	277	-	277	48,119
Oil - Steam/CT	-	8,200	-	3,774	3,640	-	1,495,437	77,639,439
Gas - CC	-	-	-	-	22,502,235	-	51,824,767	682,030,014
Gas - CT	-	-	229,087	835,190	2,172,451	-	5,945,866	108,130,773
Biogas	-	-	-	-	41,537	-	41,537	144,759
Nuclear	7,437,057	-	-	-	-	4,702,053	15,148,148	198,403,854
Total	$7,437,057	$8,200	$229,087	$838,964	24,720,140.00	$4,702,053	$112,061,445	$1,395,657,728
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	322.06	316.82
Oil - CC	-	-	-	-	1,629.41	-	1,629.41	1,819.25
Oil - Steam/CT	-	1,666.71	-	1,715.45	1,662.10	-	1,518.01	1,658.97
Gas - CC	-	-	-	-	343.03	-	375.83	474.44
Gas - CT	-	-	338.05	360.16	341.80	-	352.08	376.67
Biogas	-	-	-	-	2,929.27	-	2,929.27	2,940.46
Nuclear	60.75	-	-	-	-	64.95	63.59	64.81
Weighted Average	60.75	1,666.71	338.05	361.44	343.48	64.95	219.39	237.67
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.62	3.40
Oil - CC	-	-	-	-	27.70	-	27.70	19.92
Oil - Steam/CT	-	-	-	-	18.86	-	17.72	20.54
Gas - CC	-	-	-	-	3.09	-	3.01	3.40
Gas - CT	-	-	4.25	4.60	1.21	-	2.18	4.11
Biogas	-	-	-	-	33.97	-	33.97	21.11
Nuclear	0.66	-	-	-	-	0.67	0.68	0.68
Weighted Average	0.66	-	4.25	4.68	2.72	0.67	2.09	2.23
Burned MBTU's								
Coal	-	-	-	-	-	-	11,676,481	103,927,983
Oil - CC	-	-	-	-	17	-	17	2,645
Oil - Steam/CT	-	492	-	220	219	-	98,513	4,679,992
Gas - CC	-	-	-	-	6,559,786	-	13,789,572	143,755,840
Gas - CT	-	-	67,768	231,895	635,592	-	1,688,779	28,706,759
Biogas	-	-	-	-	1,418	-	1,418	4,923
Nuclear	12,241,861	-	-	-	-	7,239,852	23,822,828	306,153,861
Total	12,241,861	492	67,768	232,115	7,197,032	7,239,852	51,077,608	587,232,003
Net Generation (mWh)								
Coal	-	-	-	-	-	-	1,040,087	9,675,891
Oil - CC	-	-	-	-	1	-	1	242
Oil - Steam/CT	-	-	-	(220)	19	-	8,439	378,030
Gas - CC	-	-	-	-	727,496	-	1,724,589	20,067,440
Gas - CT	-	-	5,386	18,151	179,912	-	273,058	2,631,415
Biogas	-	-	-	-	122	-	122	686
Nuclear	1,133,808	-	-	-	-	701,420	2,223,363	29,047,417
Hydro (Total System)							65,037	624,339
Solar (Total System)							24,607	250,376
Total	1,133,808	-	5,386	17,931	907,551	701,420	5,359,304	62,675,835
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	$18,948	-	$214,049	$1,890,368
Limestone	-	-	-	-	-	-	1,325,264	10,347,512
Re-emission Chemical	-	-	-	-	-	-	-	182,710
Sorbents	-	-	-	-	-	-	382,285	2,930,353
Urea	-	-	-	-	-	-	71,982	1,030,586
Total	-	-	-	-	$18,948	-	$1,993,580	$16,381,529

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
June 2018

Description	Weatherspoon	Lee	Sutton	Robinson	Asheville
Coal Data:					
Beginning balance	-	-	-	-	135,754
Tons received during period	-	-	-	-	22,945
Inventory adjustments	-	-	-	-	-
Tons burned during period	-	-	-	-	52,005
Ending balance	-	-	-	-	106,694
MBTUs per ton burned	-	-	-	-	25.38
Cost of ending inventory ($/ton)	-	-	-	-	79.06
Oil Data:					
Beginning balance	636,369	-	2,638,405	78,040	2,585,554
Gallons received during period	-	-	-	-	-
Miscellaneous use and adjustments	-	-	-	-	(3,977)
Gallons burned during period	24,461	-	-	-	32,044
Ending balance	611,908	-	2,638,405	78,040	2,549,533
Cost of ending inventory ($/gal)	2.22	-	2.80	2.46	2.18
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	4,238,090	2,894,375	-	620,178
MCF burned during period	-	4,238,090	2,894,375	-	620,178
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	-	15,277
Tons received during period	-	-	-	-	1,150
Inventory adjustments	-	-	-	-	-
Tons consumed during period	-	-	-	-	2,491
Ending balance	-	-	-	-	13,936
Cost of ending inventory ($/ton)	-	-	-	-	50.40

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Duke Energy Progress | **Schedule 6**
Fuel & Fuel-related Consumption and Inventory Report | **Page 2 of 3**
June 2018

Description	Roxboro	Mayo	Brunswick	Blewett	Wayne County
Coal Data:					
Beginning balance	1,021,038	323,913	-	-	-
Tons received during period	84,564	62,636	-	-	-
Inventory adjustments	-	-	-	-	-
Tons burned during period	314,447	96,179	-	-	-
Ending balance	791,155	290,370	-	-	-
MBTUs per ton burned	25.31	24.94	-	-	-
Cost of ending inventory ($/ton)	82.08	79.87	-	-	-
Oil Data:					
Beginning balance	291,201	212,223	182,909	697,496	11,645,593
Gallons received during period	438,803	178,417	-	-	-
Miscellaneous use and adjustments	(14,846)	(2,593)	-	-	-
Gallons burned during period	490,834	156,069	15,251	3,500	-
Ending balance	224,324	231,978	167,658	693,996	11,645,593
Cost of ending inventory ($/gal)	2.11	2.06	2.46	2.34	2.40
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	65,572
MCF burned during period	-	-	-	-	65,572
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	100,361	21,574	-	-	-
Tons received during period	8,235	6,722	-	-	-
Inventory adjustments	-	-	-	-	-
Tons consumed during period	19,529	7,920	-	-	-
Ending balance	89,067	20,376	-	-	-
Cost of ending inventory ($/ton)	40.20	44.45	-	-	-

Description	Darlington	Smith Energy Complex	Harris	Current Month	Total 12 ME June 2018
Coal Data:					
Beginning balance	-	-	-	1,480,705	1,924,300
Tons received during period	-	-	-	170,145	3,335,003
Inventory adjustments	-	-	-	-	24,990
Tons burned during period	-	-	-	462,631	4,096,074
Ending balance	-	-	-	1,188,219	1,188,219
MBTUs per ton burned	-	-	-	25.24	25.37
Cost of ending inventory ($/ton)	-	-	-	81.27	81.27
Oil Data:					
Beginning balance	10,205,832	8,275,750	272,394	37,721,766	38,852,964
Gallons received during period	-	7,534	-	624,754	32,949,306
Miscellaneous use and adjustments	-	-	-	(21,416)	(191,444)
Gallons burned during period	1,582	1,683.00	-	725,424	34,011,146
Ending balance	10,204,250	8,281,601	272,394	37,599,680	37,599,680
Cost of ending inventory ($/gal)	2.39	2.33	2.46	2.39	2.39
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	226,336	7,021,080	-	15,065,631	167,183,712
MCF burned during period	226,336	7,021,080	-	15,065,631	167,183,712
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	1,383	-	1,383	4,803
MCF burned during period	-	1,383	-	1,383	4,803
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	137,212	123,643
Tons received during period	-	-	-	16,107	241,229
Inventory adjustments	-	-	-	-	14,692
Tons consumed during period	-	-	-	29,940	256,185
Ending balance	-	-	-	123,379	123,379
Cost of ending inventory ($/ton)	-	-	-	42.06	42.06

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

JUNE 2018

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	-	-	-
	CONTRACT	22,945	$ 1,705,865	$ 74.34
	ADJUSTMENTS	-	100,744	-
	TOTAL	22,945	1,806,609	78.73
MAYO	SPOT	-	-	-
	CONTRACT	62,636	4,845,250	77.36
	ADJUSTMENTS	-	107,702	-
	TOTAL	62,636	4,952,952	79.08
ROXBORO	SPOT	-	-	-
	CONTRACT	84,564	6,841,368	80.90
	ADJUSTMENTS	-	593,765	-
	TOTAL	84,564	7,435,133	87.92
ALL PLANTS	SPOT	-	-	-
	CONTRACT	170,145	13,392,483	78.71
	ADJUSTMENTS	-	802,211	-
	TOTAL	170,145	$ 14,194,694	$ 83.43

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

JUNE 2018

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ASHEVILLE	6.89	8.09	12,692	3.25
MAYO	7.17	8.36	12,582	3.05
ROXBORO	6.21	8.22	12,862	2.22

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

JUNE 2018

	MAYO	ROXBORO	SMITH ENERGY COMPLEX
VENDOR	Greensboro Tank Farm	Greensboro Tank Farm	Hightowers Petroleun Co.
SPOT/CONTRACT	Contract	Contract	Spot
SULFUR CONTENT %	0	0	0
GALLONS RECEIVED	178,417	438,803	7,534
TOTAL DELIVERED COST	$ 362,634	$ 929,661	$ 18,852
DELIVERED COST/GALLON	$ 2.03	$ 2.12	$ 2.50
BTU/GALLON	138,000	138,000	138,000

Notes:

Reimbursements for 2018 Q1 shipments of $(231,929), $(407,290) and $(299,811) for the Asheville, Darlington and Wayne stations, respectively, have been excluded.
Price adjustments of $2,528 and $8,024 for the Brunswick and Robinson stations, respectively, have also been excluded.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2017 - June, 2018
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	**7,295,871**	**938**	**88.79**	**88.91**
Brunswick 2	**7,850,696**	**932**	**96.16**	**96.53**
Harris 1	**7,289,389**	**930**	**89.48**	**87.14**
Robinson 2	**6,611,461**	**741**	**101.85**	**97.72**

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2017 through June, 2018
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,443,521	224	73.57	80.63
Lee Energy Complex	1B	1,447,705	225	73.62	80.91
Lee Energy Complex	1C	1,457,420	226	73.79	80.64
Lee Energy Complex	ST1	2,852,271	379	85.91	93.01
Lee Energy Complex	Block Total	7,200,917	1,053	78.07	85.15
Richmond County CC	7	1,239,002	189	74.84	82.32
Richmond County CC	8	1,227,333	189	74.13	81.78
Richmond County CC	ST4	1,393,349	175	90.89	90.36
Richmond County CC	9	1,406,241	215	74.67	79.47
Richmond County CC	10	1,430,524	215	75.96	80.75
Richmond County CC	ST5	1,888,008	248	86.91	90.17
Richmond County CC	Block Total	8,584,457	1,231	79.61	84.19
Sutton Energy Complex	1A	1,310,719	225	66.65	74.05
Sutton Energy Complex	1B	1,350,169	225	68.65	75.60
Sutton Energy Complex	ST1	1,622,105	269	68.84	83.93
Sutton Energy Complex	Block Total	4,282,993	718	68.10	78.21

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2017 through June, 2018

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,723,114	746	26.37	87.18
Roxboro 2	1,997,849	673	33.89	78.84
Roxboro 3	2,266,410	698	37.07	79.31
Roxboro 4	1,662,897	711	26.70	53.48

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2017 through June, 2018
Other Cycling Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville 1	711,598	192	42.31	87.66
Asheville 2	512,735	192	30.49	82.73
Roxboro 1	867,443	380	26.06	83.09

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2017 through June, 2018
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	268,972	370	94.14
Blewett CT	202	68	93.88
Darlington CT	154,594	879	70.11
Richmond County CT	2,023,583	925	81.80
Sutton CT	0	76	100.00
Sutton Fast Start CT	189,140	94	90.36
Wayne County CT	305,252	961	96.57
Weatherspoon CT	1,546	164	89.67

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary
July, 2017 through June, 2018
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	94,638	27.0	88.12
Marshall	3,833	4.0	23.62
Tillery	134,160	84.0	96.65
Walters	391,708	113.0	99.66

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.